M 5.4, 67 km NW of Castelo Branco, Portugal
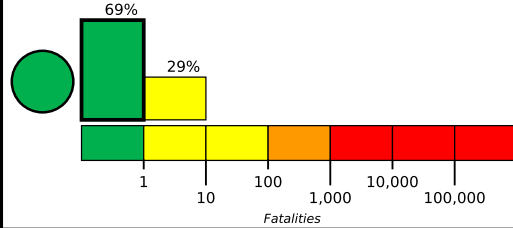
Origin Time: 2021-01-11 12:47:01 UTC (Mon 10:47:01 local)
Location: 38.8782° N 29.3397° W Depth: 10.0 km
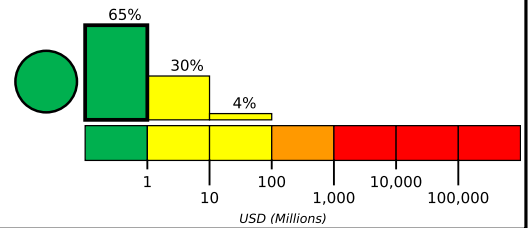
Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

69%
29%

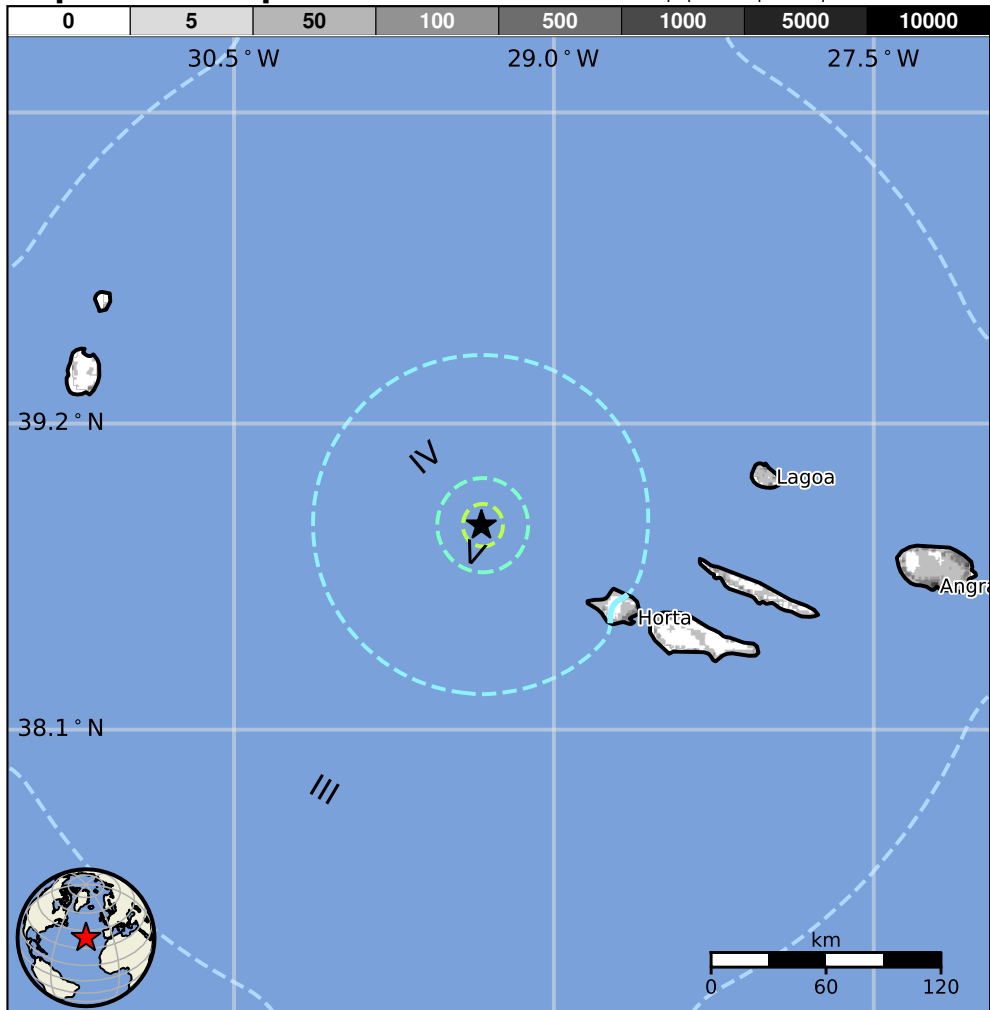1   10   100   1,000   10,000   100,000
Fatalities

Estimated Economic Losses

65%
30%
4%

1   10   100   1,000   10,000   100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	88k	8k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		**I**	**II-III**	**IV**	**V**	**VI**	**VII**	**VIII**	**IX**	**X+**
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building type is reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1973-11-23	97	5.2	VII(2k)	1
1998-07-09	72	6.1	VIII(3k)	10
1980-01-01	138	6.9	VIII(24k)	56

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Ribeira Grande	5k
III	Madalena	6k
III	**Horta**	**7k**
III	Sao Roque do Pico	4k
III	**Lagoa**	**9k**
III	**Angra do Heroismo**	**12k**
III	Praia da Vitoria	6k
III	Lajes das Flores	4k
III	Biscoitos	1k

bold cities appear on map. (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us6000d7ew#pager

Event ID: us6000d7ew